PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

10-Jun-2010

Company: 111064

Room Area ID: Reference #:



 Sales Order #:
 C002687

 CCC Panel #:
 P67631

 Date In:
 21-May-2010

 Date Out:
 03-Jun-2010

Days In Service: 13

CCC Panel # P67631

ISA Class G2 Moderate

Copper Corrosion 304 Å/30 Days

Silver Corrosion 701 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67631

The electrolytic reduction analysis on Corrosion Classification Coupon #P67631 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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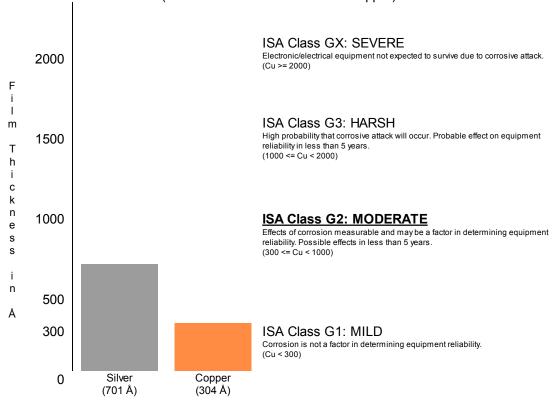
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PURAFIL CCC # P67631 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	5 Year	Wagiiiieu zux
Copper Films Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	121 Å	160 Å	209 Å	
Unknowns	183 Å	241 Å	315 Å	
Totals	304 Å	401 Å	524 Å	
Silver Films				
AgCI	0 Å	0 Å	0 Å	
Ag ₂ S	604 Å	7358 Å	36791 Å	
Unknowns	97 Å	1176 Å	5882 Å	
Totals	701 Å	8534 Å	42673 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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